

JQX-115F

MINIATURE HIGH POWER RELAY



File No.:15008



File No.:E134517



File No.:116934



File No.:CQC02001001951



Features

- Low height 15.7 mm
- 16A switching capabilities
- 1&2 pole configurations
- 5KV dielectric coil to contacts
- Creepage distance 10mm
- Sealed IP67& Flux proof types available

CONTACT DATA

Contact Arrangement	1A, 1B, 1C	2A, 2B, 2C
Initial Contact Resistance Max.	50mΩ (at1A 6VDC)	
Contact Material	See ordering info.	
Contact Rating (Res. Load)	12A/ 16A,250VAC	8A 250VAC
Max. switching voltage	440VAC /125VDC	
Max. switching current	12A/ 16A	8A
Max. switching power	3000VA/ 4000VA	2000VA
Mechanical life	1 x 10 ⁷ OPS	
Electrical life	1 x 10 ⁵ OPS	

CHARACTERISTICS

Initial Insulation Resistance		1000MΩ (500 VDC)
Dielectric Strength	Between coil and contacts	5,000VAC 1min.
	Between open contacts	1,000VAC 1min.
	Between contact sets	2,500VAC 1min.
Surge voltage between coil and contacts		10KV (1.2X50μs)
Operate time (at nomi. Volt.)		Max. 15ms
Release time (at nomi. Volt.)		Max. 8ms
Temperature rise (at nomi. Volt.)		55°C
Shock Resistance	Functional	100 m/s ²
	Destructive	1000m/s ²
Vibration Resistance		10 to150 Hz 10g/5g
Humidity		35% to 85%
Ambient temperature		-40°C to +85°C
Termination		PCB
Unit weight		13.5g
Construction		Sealed IP67& Flux proof

COIL

Coil power	0.4W/0.48W
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COIL DATA

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 20°C)	Coil Resistance Ω (at 20°C)
5	3.50	0.5	7.5	62 ± 10%
6	4.20	0.6	9.0	90 ± 10%
9	6.30	0.9	13.5	202 ± 10%
12	8.40	1.2	18	360 ± 10%
18	12.60	1.8	27	810 ± 10%
24	16.80	2.4	36	1,440 ± 10%
48	33.60	4.8	72	5,760 ± 15%
60	42.00	6.0	90	7,500 ± 15%
110	77.00	11.0	165	25,200 ± 15%

SAFETY APPROVAL RATINGS

FIMKO	8A 250VAC @70°C
	12A 250VAC @70°C
	16A 250VAC @70°C



HONGFA RELAY

ISO9001、ISO/TS16949、ISO14001 CERTIFIED

VERSION: EN02-20040601

SAFETY APPROVAL RATINGS

VDE

Contact Material	Specifications	Ratings	Ambient Temp
AgCdO	JQX-115F....2(H;Z)(S)4(G)(F)	8A 250VAC	@ 70°C
	JQX-115F....1H(S)(1;2)(G)(F)	12A 250VAC	@ 70°C
		10A 250VAC	@ 70°C
	JQX-115F....1Z(S)(1;2)(G)(F)	12A 250VAC	@ 70°C
	JQX-115F....1H(S)3(G)(F)	16A 250VAC	@ 70°C
		10A 250VAC	@ 70°C
		9A 250VAC cos phi=0.4	@ 70°C
AgNi	JQX-115F....2(H;Z)(S)4B(G)(F)	16A 250VAC	@ 70°C
		9A 250VAC cos phi=0.4	@ 70°C
	JQX-115F....1H(S)(1;2)B(G)(F)	16A 250VAC	@ 85°C
		12A 250VAC	@ 85°C
		10A 250VAC	@ 85°C
AgSnO ₂	JQX-115F....1(H;Z)(S)(1;2)A(G)(F)	12A 250VAC	@ 85°C
	JQX-115F....1(H;Z)(S)3A(G)(F)	16A 250VAC	@ 85°C
		9A 250VAC cos phi=0.4	@ 70°C
	JQX-115F....2(H;Z)(S)4A(G)(F)	8A 250VAC	@ 85°C

UL (@85°C)

Version 1 or 2 (AgCdO)	12A 277VAC
	1/2HP, 250VAC
	1/3HP, 125VAC
Version 1A or 2A (AgSnO ₂)	12A/ 277VAC
	B300
	R300
Version 1B or 2B (AgNi)	12A 277VAC
Version 3 (AgCdO)	16A 277 VAC
	9A 250VAC, T=105°C
	1HP, 250VAC
	1/2HP, 125VAC
	TV-5 125VAC
Version 3A (AgSnO ₂)	16A 277 VAC
	B300
	R300
Version 3B (AgNi)	16A 277VAC
Version 4(AgCdO)	10A 250VAC
	8A 277VAC
	1/2HP, 250VAC
	1/4HP, 125VAC
Version 4A (AgSnO ₂)	8A 277VAC
Version 4B (AgNi)	8A 277VAC

